

REMARKS

By the present amendment, Claims 2, 19, and 28-40 are canceled and Claims 1-6, 12, 13-15, 17, 18, 20, 21, 23-27 are amended. Claims 7-11, 16, and 22 remain in their original form. Claims 1, 3-18, and 20-27 are pending in the present application. No new matter has been added.

I. Claim Objections

Claims 3-11, 13, 20, 21, 25, and 26 were deemed to have allowable subject matter but were objected to as depending from rejected parent claims. The Examiner indicated that the claims would be allowed is rewritten in independent form. By the present amendment, Applicant has rewritten each of these objected to claims in independent form. Therefore, Applicant respectfully asserts that they are now in condition for allowance.

II. Rejections under 35 U.S.C. §102(b and/or e)

Claims 1, 12, 14-18, 22-24 and 27 were rejected under 35 U.S.C. § 102(b) and/or (e) as anticipated by U.S. Patent No. 4,922,710 ("Rowen et al.") and or U.S. Patent No. 6,564,774 ("Ellims et al."). By the present amendment, independent Claims 1 and 18, have been amended to recite the limitation that the turbogenerator is a variable speed turbogenerator. Furthermore, each of the dependent claims reciting the turbogenerator have also been amended to recite a variable speed turbogenerator. Applicant respectfully asserts that Rowen et al. and Ellims et al. fail to disclose a method for controlling the rotational speed of a variable speed turbogenerator as provided in Claims 1, 12, 14-18, 22-24 and 27. Likewise, Rowen et al. and Ellims et al. fail to teach or suggest methods of performing the same.

Rowen et al. discloses a method for adjusting the gas boost pressure of a *constant speed turbine* to meet load demands. Because the invention of Rowen et al. is directed to a constant speed turbine, the control system is used to control gas flow to the generator so that it may maintain a constant speed despite a varying load. Although the Examiner correctly notes that Rowen et al. discloses the use of set points to enable the control system, Rowen et al. does not disclose a method as recited in the claims as amended. In contrast to Rowen et al., the present invention discloses a control system that allows control of the speed of a variable speed turbine to optimize its operating parameters and to maintain its efficiency. As provided in the amended claims, this allows the present invention to adjust the rotational speed of the variable speed turbogenerator. This is not disclosed or suggested by the fuel boost management control system of Rowen et al., which provides a method of maintaining the speed of a constant speed (or synchronous) turbine.

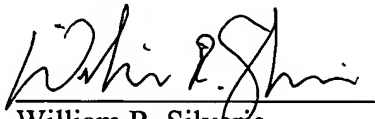
Ellims et al. also discloses methods for controlling the performance of a *constant speed* turbine. As described in the abstract and throughout the specification, Ellims et al. controls a combustion engine driving a load so that it may run at a constant speed. Like Rowen et al., this engine control system controls the engine throttle to modify the amount of gas the engine receives, which allows the engine to operate at a relatively constant speed notwithstanding load changes. In contrast to Ellims et al. and as provided in the amended claims, the present invention includes a control system for a variable speed turbogenerator. The claimed the present invention discloses a control system that allows control of the speed of a variable speed turbine to optimize its operating parameters and to maintain its efficiency.

III. Conclusion

In view of the above amendments and remarks, Applicant respectfully asserts that the claims are in condition for allowance. It is therefore respectfully requested that a Notice of Allowance be issued. The Examiner is encouraged to contact Applicant's undersigned attorney to resolve any remaining issues in order to expedite examination of the present application.

It is not believed that extensions of time or fees for net addition of claims are required, beyond those that may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 CFR § 1.136(a), and any fee required therefore (including fees for net addition of claims) is hereby authorized to be charged to Deposit Account No. 19-5029.

Respectfully submitted,


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